



XRV10

10.1" Double DIN Multimedia Receiver

SiriusXM Ready™ / Built-In BT Technology /
iPhone® - iPod® / MHL / HDMI / USB / AV In

Operating Instructions



XRV10

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FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This unit supports only the following iPod/iPhone models:

- iPhone SE
- iPhone 6s Plus
- iPhone 6s
- iPhone 6 Plus
- iPhone 6
- iPhone 5s
- iPhone 5c
- iPhone 5
- iPod touch (6th generation)
- iPod touch (5th generation)



"Made for iPod," and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

iPhone and iPod are trademarks of Apple Inc., registered in the U.S. and other countries.

Sirius, XM and all related marks and logos are registered trademarks of Sirius XM Radio Inc. All rights reserved.

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Thank you for choosing a ASA product. We hope you will find the instructions in this owner's manual clear and easy to follow. If you take a few minutes to look through it, you'll learn how to use all the features of your new unit Multimedia Receiver for maximum enjoyment. Please save this manual for future reference.

We recommend having your unit Multimedia Receiver installed by a reputable installation shop.

FEATURES

MP3 / WMA

- ID3 Tag Compatible
- Directory Search (MP3 / WMA Only)
- Random, Repeat and Intro
- Play, Pause, Stop, Next Track and Previous Track

AM-FM

- USA / European Frequency Spacing
- 30 Station Presets (18 FM / 12 AM)
- Auto Stereo / Mono
- Local / Distance
- Auto Store / Preview Scan

iPod®/iPhone®

- iPod® iPhone® via USB
- High Speed Direct Connect Interface to Access iPhone® and iPod® Playlists, Artists, Albums
- Power Management Charges iPhone® / iPod® while Connected

SiriusXM Ready®

- Satellite Channel Name, Artist, Song, and Categories Displayed on Monitor (Vehicle Tuner and Subscription required and sold separately)

Chassis

- Fixed Front Panel
- High Definition TFT LCD

General

- Beep Tone Confirmation (ON-OFF Option)
- BT Hands-Free operation for safety and convenience and A2DP for streaming music from your smartphone.
- One Composite Video Output for Additional Screens
- Front Panel Audio/Video Input
- Front Panel USB - Playback Music / Video Files via Portable Hard Drives / USB flash drives
- Ten-Band Graphic Equalizer
- 6VRMS Front / Rear / Subwoofer RCA Line Output
- Touch Screen Calibration Mode
- Rotary Encoder Audio Control
- HDMI / MHL Connectivity - See and control smartphone apps on the larger TFT screen. *Some apps may not be supported.
- USB Charging Current - 2.1 Amp Support

Camera

- The unit can connect with 3 cameras: CAM1, CAM2, CAM3. Each camera can be triggered separately and can be set in different trigger priority.

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WARNING! Never install this unit where operation and viewing could interfere with safe driving conditions.

WARNING! To reduce the risk of a traffic accident (except when using for rear view video camera) never use the video display function while driving the vehicle. This is a violation of federal law.

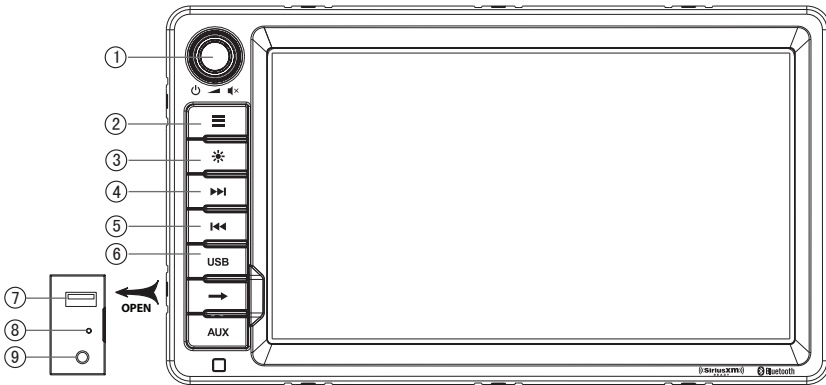
WARNING! Never disassemble or adjust the unit.

WARNING! To prevent injury from shock or fire, never expose this unit to moisture or water.

WARNING! Using an improper fuse may cause damage to the unit and result in fire.







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CONTROLS AND INDICATORS



Notice:

The graphic in this manual is for reference only, and may be different from the actual unit. Reference to actual unit is suggested.

- 1. [ ] Knob**
Rotate to adjust the volume.
Press momentarily to activate the MUTE function. Press again to resume normal listening.
Press to turn the unit ON. Press and hold to turn the unit OFF.
- 2. [] Button**
Press to switch between the sources menu and the previous source.
- 3. [] Button**
Press to adjust the brightness of the screen.
- 4. [] Button**
Next / Seek up
- 5. [] Button**
Previous / Seek down
- 6. Interface Cover**
Covers the 3.5mm AV In, USB slot, and Reset button.
- 7. USB Connector**
Connect a USB device for playback of music/video files.
- 8. Reset Button**
Press to reset system settings to factory default (except password and parental lock settings).
- 9. A/V Input**
Accepts a 3.5mm jack through which signals from various audio/video devices can be applied to the unit.

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NOTES ON REMOTE CONTROL USAGE

- Aim the remote control at the TFT/screen.
- Remove the battery from the remote control or insert a battery insulator if the remote control will not be used for a month or longer.
- DO NOT store the remote control in direct sunlight or in a high temperature environment, or it may not function properly.
- The battery will last for 6 months under normal conditions. If the remote control does not work, please change the battery.
- Use lithium battery type CR2025 (3V) only.
- DO NOT recharge, disassemble, heat or expose the battery to fire.
- Insert the battery in the proper direction according to the (+) and (-) polarity marks.
- Store the battery in a place where children cannot reach it to avoid the risk of an accident.

Remote Control Function Description

1. **SOURCE (SRC) Button:** Press this button to switch between and select available sources. (Radio/ Phone/USB/Phone-Audio/SWC/AUX-1/AUX-2/ Camera)
3. **AUDIO Button:** Press to display and select the audio language.
Each time the button is pressed, the language changes.
NOTE: The languages for audio vary from file format.
4. **VOLUME Button (VOL + and -):** Press these buttons to increase or decrease the playback volume.
5. **BAND Button:** Press this button to scroll through preset stations or when in playback mode, this button is used for Fast playback / Slow playback. Press this button to answer an incoming BT phone call.
6. **REPEAT (RPT) Button:** Repeat playback
7. **POWER/MUTE Button (⏻/MUTE):** Press this button to turn the unit ON, and long press to OFF.
When on, press this button to turn the audio output ON and OFF.
8. **SUBTITLE (SUB-T) Button:** Press to display and select the subtitle language in USB mode. Each time the button is pressed, the subtitle language changes.
NOTE: The type and number of languages for subtitles vary from file format.
9. **MENU Button:** Press this button to access the root menu during playback. The playback will return to normal playback and the root menu will disappear if no selection is made within 10 seconds.
10. **FAST FORWARD [⏩] Button:** Press this button to forward play 2x, 4x, 8x or 20x normal speed.
Press this button while in Radio mode to search available radio station by increasing tuning frequency.
11. **NEXT (⏭) Button:** Press this button to skip to the next chapter, track or song during playback.
Press this button while in Radio mode to search available radio station by increasing tuning frequency.
12. **PLAY / PAUSE (▶/⏸) Button:** Press this button to pause the playback. Press this button again to resume normal playback.
13. **PREVIOUS (⏪) Button:** : Press this button to go back to the previous chapter, track or song during playback. Press this button while in Radio mode to search available radio station by decreasing tuning frequency.
14. **FAST REVERSE [⏮] Button:** Press this button to reverse play 2x, 4x, 8x or 20x normal speed. Press this button while in Radio mode to search available radio station by decreasing tuning frequency.
15. **NUMBER Buttons (1-6):** Press these buttons to directly access chapters and tracks, dialing phone numbers, or entering passwords.
16. **RANDOM (RDM) Button:** Press this button to play tracks or chapters in random order while playing music.

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QUICK START GUIDE

Power On / Off

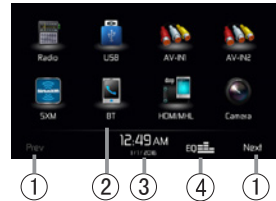
Press the [⏻ 🔊] knob on the unit to turn the unit on. The buttons on the front of the unit light up for a moment and the current mode status appears in the LCD.

Press and hold the [⏻ 🔊] knob to power off the unit.

Playing Source Selection

Press the [≡] button on the front panel to display the playing source menu.

1. Prev or Next: Touch to view the previous or next page of playing sources.
2. Playing source icon: touch to access corresponding work mode.
3. Clock
4. Enter EQ setting menu



Volume Adjustment

To increase or decrease the volume level, turn the [⏻ 🔊] knob on the front panel. The volume range is from “0” to “50”. The LCD or TFT screen displays the volume level for 3 seconds.

Mute

Press [⏻ 🔊] knob to mute the volume from the unit. Press again to restore the volume. [🔊] is displayed on the LCD. Adjusting the volume or using any of the audio setup features cancels the mute function.

Parking Brake Inhibit

- When the “BRAKE” cable is connected to the brake switch, the display on the TFT monitor will display video only when the vehicle is applied.
- Parking brake function is overridden when the video source is set to REVERSE.
- When the parking brake inhibit is active, the front monitor displays Warning information, preventing the driver from watching content while driving. Rear video screens are not affected.

Demo

Demo mode is used to illustrate the functions of the unit. Touch the screen to exit it.

Demo mode is default on. You can turn it off in Setting menu.

Audible Beep Confirmation

An audible beep tone confirm each function selection. The Beep tone can be disabled through the Setup menu.

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EQUALIZER CONTROL MENU

The Audio Control feature allows you to easily adjust your audio system to meet the acoustical characteristics of your vehicle, which vary depending on the type of vehicle and its measurements. Proper setting of the Fader and Balance boosts the effects of the cabin equalizer.

Select Preset Equalizer

1. Enter the EQ setup mode
Touch the [EQ] icon in the user interface and the EQ setup interface will display on the screen.
2. Select EQ mode
Touch the desired EQ selection: [Optimal] / [Classic] / [Rock] / [Jazz] / [Techno] / [Pop], and the EQ mode will change.



Adjust EQ Parameters

To adjust EQ parameters, select [User] and touch and drag the parameters adjustment bar.

- [User]: Set the desired audio effect.
- [Flat]: Select the original audio effect.
- [Reset]: Reset the user settings.

Adjust Fader Balance

You can adjust front/back/left/right balance of the speaker and the subwoofer volume to get balanced listening effect according to the surroundings and your interest.

1. Enter the EQ setup mode
Touch the [Fader Balance] icon in the user interface and the EQ setup interface will display on the screen.
2. Adjust subwoofer volume
Touch [▲] / [▼] to adjust subwoofer volume from -12 to +12.
3. Adjust fader / balance value
Touch [▲] / [▼] / [◀] / [▶] to adjust fader / balance value from -20 to +20.
 - [▲]: Front speaker
 - [▼]: Rear speaker
 - [◀]: Left speaker
 - [▶]: Right speaker



Notes:

1. The parameters of the EQ modes has been preset and you can not change them besides 'User'.
2. The value of Sub is independent of EQ mode and can be adjusted separately.

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SYSTEM SETTINGS

Display System

1. Touch the upper left corner to display main menu.
2. Touch [Settings].
The settings menu is displayed.

Adjust General Settings

1. Touch [General], if necessary.
2. Touch to highlight a setting.
3. Touch on the option to display/select an option.

General settings	Options	Description
Radio Region	USA/China/Japan/Europe/Europe (LW)/OIRT	Select one that matches your location.
Radio Lo/Dx	Local	Select radio local or distance. When select local, only stations with sufficient strength will be detected.
	Distance	
TFT Standby	Off/10s/20s	Select the TFT standby status.
Display Adjust	Night/Dark/Normal/Bright	Select the brightness of the screen.
Beep	On	Turn on the beep sound. Each time you press a button, the unit beeps.
	Off	Turn off the beep sound.
Illumination	Setup the the backlight color of the buttons..	
UI Color	Green/Red/Amber/Blue/Purple	Select the UI color.
Demo	On	Enable the demo of operations.
	Off	Disable the demo of operations.
Camera Configuration	To show the camera settings.	

4. Touch top left of the screen to exit.

Adjust sound settings

1. Touch [Audio].
2. Touch an option repeatedly to select:

Sound settings	Options	Description
Subwoofer	On	Turn on the subwoofer.
	Off	Turn off the subwoofer
Sub Woofer Filter	80Hz	Select subwoofer filter criteria.
	120Hz	
	160Hz	

3. Touch top left of the screen to exit.

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Adjust Time Settings

1. Touch [Time].
2. Touch an option repeatedly to select:

Time settings	Options	Description
Date	Y/M/D	Touch [▲] or [▼] to set year, month and day. Press and hold for rapid adjustment
Clock Mode	12Hr/24Hr	Touch [12Hr] or [24Hr] to switch clock mode.
Time	H/M/AM/ PM	Touch [▲] or [▼] to set hour and minute. Press and hold for rapid adjustment Touch [▲] or [▼] to set AM/PM (only for 12Hr).

3. Touch top left of the screen to exit.

Adjust Language Settings

1. Touch [Language].
2. Touch an option repeatedly to select:

Language settings	Description
OSD	Select on-screen display language.

3. Touch top left of the screen to exit.

Adjust Bluetooth Settings

1. Touch [Bluetooth], if necessary.
2. Touch to highlight a setting.
3. Touch on the option to display/select an option.

General settings	Options	Description
Bluetooth	On/Off	Select Bluetooth On or Off.
Auto Connect	On/Off	Select Auto Connect On or Off.
Auto Answer	On/Off	Select Auto Answer On or Off.
Pairing Code	Setup the pairing code.	

Reset the system

1. Touch [Reset].
2. Touch an option repeatedly to select:

Reset settings	Description
Load Factory	Load the factory settings.

3. Touch top left of the screen to exit.

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Adjust Volume Settings

You can set different volume for different modes.

1. Touch [Volume].
The volume setting sub-menu is displayed.
2. Touch to select a source.
3. Select a value from 00 to 06.
When switching to the source, the volume increases automatically.
4. Touch top left of the screen to exit.

Version Sub-Menu Features

The Version Sub-Menu is used to identify the model and resident operating system as well as the hardware and software versions.

Exiting the System Setup Menu

To exit setup mode and resume normal playback, touch the Source icon on the screen.

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RADIO TUNER OPERATION

Tuner TFT Display

1. Return to home menu.
2. Preset stations list.
3. Show/Hide the next line of options menu.
4. Seek backward
Tune backward(long press)
5. Auto searching.
6. Seek forward
Tune forward(long press)
7. Band switch.
8. Show RDS options
9. Show the save list
10. Choose local or distant seeking mode.
11. Enter frequency directly.
12. Enter EQ menu.



Select Radio as Playing Source

Open the Source Menu and then touch [Radio].

Select One Radio Band

Touch the [Band] icon on the user interface to select one radio band among FM1, FM2, FM3, AM1 and AM2.

Tune

Auto Tuning

Press [◀◀] / [▶▶] icon on the user interface to seek a higher / lower station.

To stop searching, repeat the operation above or press other keys having radio functions.

Note:

When a station is received, searching stops and the station is played.

Manual Tuning

Method 1:

During manual tuning, the frequency will be changed in steps.

Press and hold [◀◀] / [▶▶] icon on the user interface more than 1 second to tune in a higher / lower station.

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Method 2:

1. Touch the numeric keypad icon [Direct Entry]. Numeric keyboard is displayed, touch numbers to input frequency.
2. Touch [\leftarrow x] to delete the input numbers step by step.
3. Touch [OK] to enter.



Preset Station

The unit has 5 bands, such as FM1, FM2, FM3, AM1, AM2, and each band can store 6 stations; hence the unit can store 30 stations in total.

Search Stations Automatically

Touch [AS/PS] to search station and store 6 strongest stations in current band automatically.

Manual Store

1. Tune to a station.
2. Press and hold one of the channels 1 to 6 on the screen to save the selected station.

Tune to a Preset Station

1. At radio mode, select a band (if needed).
2. Touch one of the preset channels on the screen.

Local Seeking

Press the [More ▲] and [Local/Distance] icons to choose the Radio Distance or Local . When the [Local] displays, only stations with a strong signal strength will be detected .

EQ Selection

Press the [More ▲] and [EQ] icon to enter the EQ setup menu.

Option Screen

Touching the Options icon will display the following RDS, CT and PTY functions on the Tuner TFT LCD display screen.

RDS ON/OFF - The Radio Data System (RDS) enables traffic reports to be received and provides many facilities, including enabling the radio station name to be displayed.

PTY - The Program Type (PTY) function displays the program category of the current station such as category (news, sports, talk etc.) Use the scroll bar to select various categories. After selecting a category, press the Search or down arrow icon to scan to the next station of the selected category. Touching the Back icon returns the user to main tuner screen.



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USB OPERATION

Connecting the USB Device

1. Open the USB door.
2. Connect an USB device into the USB connector.
Play starts automatically.

NOTES:

1. If there are audio files supported on the USB stick, the system will enter the audio files menu automatically.
If there are no audio files, but there are video files supported on the USB stick, the system will enter the video files menu automatically.
If there are no audio or video files, but there are picture files supported on the USB stick, the system will enter the picture files menu automatically.
If there no above audio/video/picture files supported in the USB stick, the screen will display "Load Error!".
2. Not all USB devices are compatible with the unit.

Removing the USB Device

1. Select another source in the main menu.
2. Remove the USB device.

Audio playback

The principles of audio playback (MP3/WMA) from data carriers are identical for all sources. Select the desired source via the main menu.

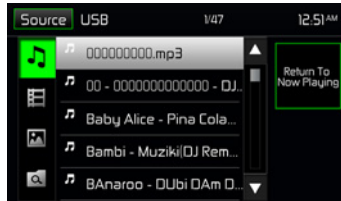
The device changes to the desired source and the playback starts.

If the playback does not start with the audio playback, touch the [List] icon to change to the folder/file list.

Touch the [📁] icon to display all the folders and files of the data carrier.

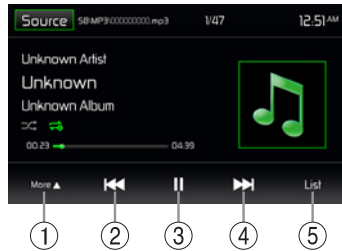
- Or -

Press the [🎵] icon to display all the audio files of the data carrier.



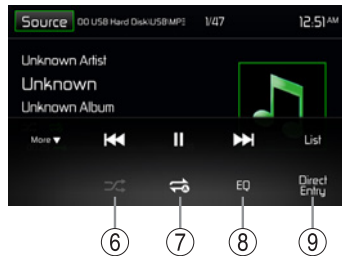
After starting a title, the playback menu is displayed.

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1. Show/Hide the next line of options menu.
2. Display the folder/file list.
3. Short press: Previous track.
Long press: Fast backward.
4. Pause playback and continue playback.
5. Short press: Next track.
Long press: Fast forward.

Tap on [More ▲] to display additional operating options of the playback menu.



6. Shuffle playback.
7. Start and end REPEAT function.
Repeat mode: Repeat One → Repeat Folder → Repeat All → Repeat Off
8. Display equalizer.
9. Display keypad to directly enter the number of the desired title.

Video playback

Select the desired source via the main menu.

The device changes to the desired source and the playback starts.

If the playback does not start with the video playback, touch the [List] icon to change to the folder/file list.

Touch the [📁] icon to display all the folders and files of the data carrier.

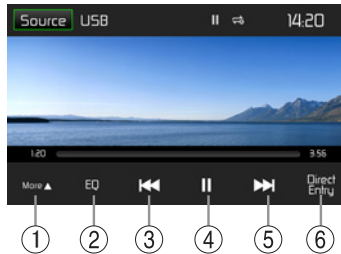
- Or -

Touch the [📁] icon to display all the audio files of the data carrier.

If you selected a movie, the playback is started. During the movie playback, the playback menu is hidden.

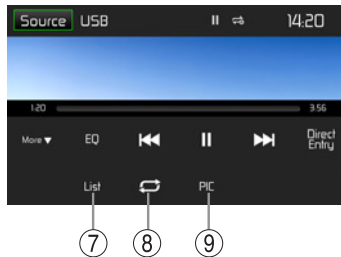
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Briefly touch the screen once to display the playback menu again.
The playback menu is shown.



1. Show/Hide the next line of options menu.
2. Enter EQ menu.
3. Short press: Previous movie.
Long press: Fast backward.
4. Pause playback and continue playback.
5. Short press: Next movie.
Long press: Fast forward.
6. Display keypad to directly enter the number of the desired title.

Tap on [More ▲] to display additional operating options of the playback menu.



7. Display the folder/file list.
8. Start and end REPEAT function.
Repeat mode: Repeat One → Repeat Folder → Repeat All → Repeat Off
9. Adjust the brightness, contrast, and saturation.

Image playback


Select the desired source via the main menu.

The device changes to the desired source and the playback starts.

If the playback does not start with the image playback, touch the [List] icon to change to the folder/file list.

Touch the [] icon to display all the folders and files of the data carrier.

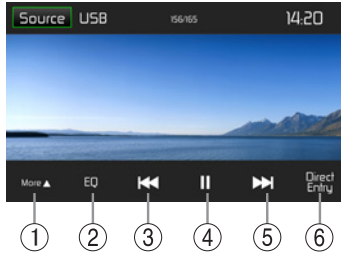
- Or -

Touch the [] icon to display all the images of the data carrier.

If you selected a image, the playback is started. During the playback, the playback menu is hidden.

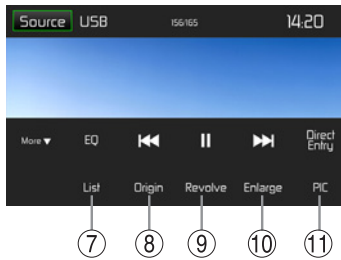
Briefly touch the screen once to display the playback menu again.

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1. Show/Hide the next line of options menu.
2. Enter EQ menu.
3. Previous image.
4. Pause playback and continue playback.
5. Next image.
6. Display keypad to directly enter the number of the desired title.

Tap on [More ▲] to display additional operating options of the playback menu.



7. Display the folder/file list.
8. Show the original photo.
9. Rotate images .
10. Zoom in/out.
11. Adjust the brightness, contrast, and saturation.

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Bluetooth Mode

You can make or receive phone calls with Bluetooth-enabled phones through the unit. You can also listen to music from a Bluetooth-enabled device.

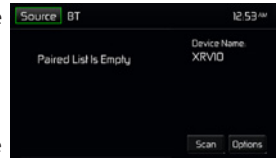
Pair the Bluetooth-enabled Devices

To connect your Bluetooth device to the unit, you need to pair the device to the unit. Pairing needs only to be done once. You can pair up to five devices. You also can search for Bluetooth devices by mobile phone.

1. Turn ON the Bluetooth function on the device.
2. Search for Bluetooth devices by mobile phone.
3. Select the Bluetooth device ID (shown on the screen of the unit) in the pairing list.
4. Enter default password "1234" if necessary.

Tip:


- The operational range between this unit and a Bluetooth device is approximately 5 meters .
- Before you connect a Bluetooth device to this unit, familiarize yourself with the Bluetooth capabilities of the device.
- Compatibility with all Bluetooth device is not guaranteed.
- Any obstacle between this unit and a Bluetooth device can reduce the operational range.
- Keep this unit away from any other electronic device that may cause interference.



Disconnect Bluetooth Device

To disconnect one device, touch [].

Tip

- The device will also be disconnected when the device is moved beyond the operational range.
- If you want to reconnect the device to the unit, place it within the operational range.
- If you do not want to reconnect the device to the unit automatically, touch [], then set [Auto connect] to Off (the green icon turns grey).

For details, see the "Adjust Bluetooth Settings" section.

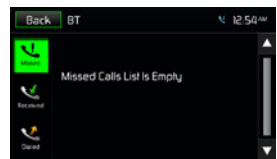


Make a Call

1. Select Bluetooth function in the home menu.
2. Pair the phone with the unit.
3. Search for phone number from the following list:

- [Phone Book]
- [Call History]
- [Missed calls]
- [Received calls]
- [Dialed calls]

Or touch the number pad directly, then touch [] to dial.



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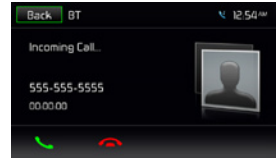
Receive a Call

By default, all incoming calls are received automatically.

1. If there is an incoming call, the screen will appear "Incoming call...".
2. You may touch the screen to select [📞] or [📞].
Speak into the Bluetooth microphone.

Tip

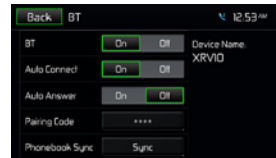
- You can select to receive calls manually by set [Auto Answer] to Off status.



Push to Talk

Press [Push to Talk] on the screen to access Siri or Google Voice through the head unit when connected via BT. Your mobile phone must support Siri or Google Voice in order for this feature to be supported on the head unit.

NOTE: Samsung "S" Voice and other third-party apps may not be supported.



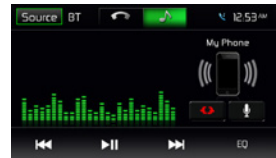
Adjust Bluetooth Settings

1. In Bluetooth menu, touch [⚙️].
The option menu is displayed.
2. Touch on the selected option to change the setting.
 - [BT]: To turn on or off "Bluetooth" function.
 - [Auto Connect]: To turn on or off "Auto connect" function.
 - [Auto Answer]: To turn on or off "Auto answer" function.
 - [Pairing code]: To set pairing code.
 - [Phonebook Sync]: Phonebook sync may take several minutes to load on initial setup.

Music Mode

A2DP

A2DP is short for Advanced Audio Distribution Profile. The mobile phones supporting this function can transmit stereo audio, whereas the ones not supporting this function can transmit mono audio only.



AVRCP

AVRCP is short for Audio/Video Remote Control Profile. The mobile phones supporting this function can control the playback of a Bluetooth audio player.

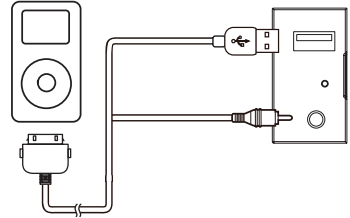
In the mode of the music player working, if you want to make a phone call, you can press the number keys on the mobile phone. At the same time the music player will stop. The TFT screen will display "Calling"; after the call received, the voice will be transferred to the unit. When the call ends, the screen will display music playing menu.

If there is an incoming phone call, the music player will stop, and the screen will display "Incoming". When the call ends, the screen will display music playing menu.

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iPod Mode

Connect an iPod or iPhone to the unit via an iPod cable.



Accessing iPod mode

Touch [iPod] on the main menu to enter iPod menu.

If [iPod] is not on the current source menu, hold the center of screen and drag left/right to show more icons.

Pausing play

1. Touch the [⏏] button on the bottom of the screen to pause play.
The playback pauses, and [⏏] button becomes [▶].
2. Touch [▶] button to resume play.

Selecting a track

Track-up

Touch the [⏮] button to move to the beginning of the next track.

Track-down

1. Touch the [⏪] button to move back to the beginning of the current track.
2. Touch the [⏩] button twice to move back to the beginning of the previous track.



Fast forward/Fast reverse

Fast forward

Touch and hold the [⏭] button .

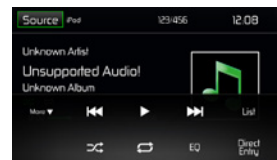
Fast reverse

Touch and hold the [⏮] button .

Repeat play

This function allows you to play the track repeatedly.

Touch the [↺] button to select Repeat one or Repeat all.



Random play

This function allows you to play all tracks recorded in a random order.

Touch the [⌘] button to perform random play. Touch it to resume normal play.

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SiriusXM® RADIO OPERATION

Only SiriusXM® brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial-free music plus the best sports, news, talk, comedy and entertainment. Welcome to the world of satellite radio.

Activating SiriusXM® Radio

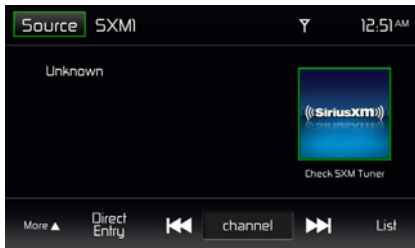
After installing your SiriusXM Connect Vehicle Tuner and antenna, power on your radio and select SiriusXM mode. You should be able to hear the SiriusXM preview channel on Channel 1.

After you can hear the Preview channel, tune to Channel 0 to find the radio ID of your tuner.

Note: The SiriusXM Radio ID does not include the letters I, O, S or F.

SiriusXM® User Interface

The on-screen indicators and touch key areas for SiriusXM® functions are outlined right.




(SiriusXM® Menu page 1)

Source Icon - Touch to return to the unit's Main Menu Screen.

Band indicator (SXM1 icon) - Displays SiriusXM® radio band currently selected. Three bands are available: SXM1, SXM2, and SXM3.

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Time Display - This indicator displays the time as entered by the user in the Settings Menu.

Signal Strength Indicator  - As the strength of the satellite radio signal increases, the number of illuminated segments will increase.

Program Information:

Channel Number - Channel numbers are used to designate the channel along with the channel name and are useful for identifying/loading a channel via the "direct entry" method.

Channel Name - The channel name is used to identify the channel and is usually related to that channel's musical content.

Category Name - A category may contain one or more channels grouped by their similar content into a "Category".

Artist Name - This area displays the name of the artist currently playing.

Song - This area displays the name of the song currently playing.

Info - This area contains additional information related to the song/track now playing.

More ▲ Icon - Touch to go to SiriusXM® Menu Page 2.

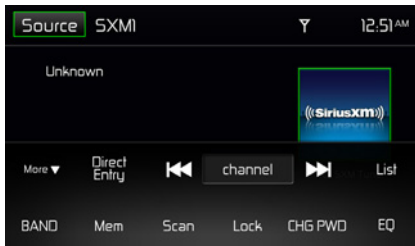
Direct Entry Icon - Touch to display the Direct Entry Menu.

Previous (⏮) Icon - Touch to tune to the previous channel.

Channel/Category Icon - Touch to toggle the icon displayed between Category and Channel. When Channel is displayed, touching or tunes channels up or down. When Category is displayed, touching or tunes channels within a category up or down.

Next (⏭) Icon - Touch to tune to the next channel.

List Icon - Touch to select a channel search criteria. Presets lists preset channels stored by the user. Channels lists all SXM channels. Category lists SXM channels by categories.



(SiriusXM® Menu page 2)

More ▼ Icon - Touch to go to SiriusXM® Menu Page 1.

Band Icon - Touch to select a band of preset channels. Three bands are available: SXM1, SXM2, and SXM3. Each band can store up to ten preset channels. (Preset channels are accessed from the List icon.)

Mem Icon - Touch to display screen used to enter current channel into preset memory.

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Scan Icon - Touch to scan all channels starting at channel 1. The tuner will pause for approximately five seconds at that channel. Touch scan again to listen to that channel. If scan is not touched, the tuner will automatically seek the next channel.

Lock Icon - Touch to display the SXM Lock Screen.

CHG PWD Icon - Touch to go to the change password screen.

EQ Icon - Touch to access the Equalizer level settings menu.



Switching to SiriusXM® Radio

- Touch the top left corner of the screen (the Source box) to view the Main Menu screen. From the Main menu screen, touch the SXM icon.
- Press the  button on the front panel to switch to the SXM source.

Selecting the SiriusXM® Band

Touch the Band icon on the SXM Menu screen to change between the following bands: SXM1, SXM2, and SXM3.

Seek Tuning

- To fast seek the next higher channel, touch and hold the icon .
- To fast seek the next lower channel, touch and hold the icon .

Direct Tuning



To enter a SiriusXM® radio channel directly:

1. On the SiriusXM® menu page 1, touch the Direct Entry icon to display the Direct Entry Menu.
2. Enter the desired SiriusXM® radio channel using the on-screen number pad then touch the Ok icon. If you wish to delete an entry number touch the X icon.
3. To exit the screen without changing the channel, touch the **Back** icon.



Using Preset Channels

A preset is a channel name that is stored for instant access to that channel. Ten numbered preset buttons store and recall channels for each band.

Storing a Channel

1. Select a band (if needed), then select a channel.
2. On the SiriusXM® menu page 2, touch the Mem icon to access the Preset Channel Screen.
3. Touch the preset number (P1 through P10) in which you would like to store the current channel (or touch the Back icon to cancel and close the menu).
The channel will be stored and displayed in that preset. Touch the  or  icon to scroll up or down the list.
4. Touch the Back icon to return to the SXM Menu screen.

Recalling a Channel

1. Touch the List icon.
2. Touch the Preset icon to access the Recall Preset Channel Screen.
3. Touch on a channel on the preset channel list to select the corresponding stored channel. Touch the  or  icon to scroll up or down the list.

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Searching for a Channel

Search by Channel

To search by channel:


1. On the SiriusXM® menu page 1, touch the **Category/Channel** icon (if needed) to select Channel.
2. Touch List to display the Channel Search Screen:
3. Touch on a channel to tune to that channel. Touch the ▲ or ▼ icon to scroll up or down the list.

Search by Category

Categories group music by type such as jazz, rock, classical, etc. To search by category:

1. On the SiriusXM® menu page 1, touch the Category/Channel icon (if needed) to select Category.
2. Touch List to display the Category Search Screen:
3. Touch a category item. A channel list screen appears.
4. Touch on a channel to tune to that channel. Touch the ▲ or ▼ icon to scroll up or down the list.

Locking SXM Mature Channels

SiriusXM® attaches a label to channels with mature content. The radio recognizes these channels as "Mature". The Mature Channel Lock option allows you to lock out channels with "Mature" labels. These channels will still appear in the channel listing (with a lock  icon), but will not be tunable unless the parental lockout password is correctly entered.

Lock Mature Channels

To lock mature channels:

1. On the SiriusXM® menu page 2, touch the **Lock** icon. The following screen appears:
2. Enter your 4-digit password. The following screen appears:
3. Touch the Lock Mature icon. The mature channels are now locked.

Temporarily Unlock a Mature Channel

When the global "Mature Lock" is enabled, a mature channel can be temporarily unlocked. All mature channels are temporarily unlocked (but still hidden when channel browsing) until the SXM source is changed, Accy (Key) is cycled or the "Power Button" on front panel of radio turns the Radio off. This mode is useful for listening to mature/adult content on a temporary basis, allowing you to listen on a locked channel without having to disable the global "Mature Lock."

To temporarily unlock a mature channel:

1. Tune to a mature channel. If the channel is locked, Ch Locked, Enter Code will appear on the SiriusXM® User Interface tuner screen.
2. Enter the 4-digit password to unlock the channel to tune it.


Unlock All Mature Channels

To unlock all mature channels:

On the SiriusXM® menu page 2, touch the Lock icon. The following screen appears:

3. Enter your 4-digit password. The following screen appears:
4. Touch the Unlock All icon. All channels are now unlocked.



Locking Individual SXM Channels

An user can lock individual channels. When locked, a channel has the lock () icon next to it on the channel list.

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Locking a Channel

To lock an individual channel:

1. On the SiriusXM® menu page 2, touch the Lock icon. The following screen appears:
2. Enter your 4-digit password. The following screen appears:
3. Touch an unlocked () icon. The icon is replaced by a lock () icon. The channel is now locked.

Unlocking a Channel

To unlock an individual channel:

1. On the SiriusXM® menu page 2, touch the Lock icon. The Enter Password Screen appears.
2. Enter your 4-digit password. The following screen appears:
3. Touch a lock () icon to unlock a channel. The icon is replaced by an unlocked () icon. The channel is now locked.

Change Lock Password

The Change Lock Password option allows you to change the password from the default or current custom password to another password.

NOTE: The default password is 0, 0, 0, 0.

To change a password:

1. Touch the **CHGPWD** icon. The following screen appears:
2. Enter your 4-digit password and press the OK icon.
3. Enter the new 4-digit password and press the OK icon. The new password is set.

SiriusXM® Radio Advisory Messages

SiriusXM® user advisory messages are listed below:

Advisory Displayed	Cause
Check SXM Tuner	Check the SiriusXM® tuner connection on the back of the unit to ensure that it's correctly connected.
Check SXM Antenna	Ensure the SiriusXM® antenna cable is connected to the SiriusXM® tuner correctly. Check the SiriusXM® antenna wire for breaks or sharp bends. Replace the antenna if necessary. If the message remains, the antenna may have been damaged.
No SXM Signal	The vehicle must be outside, and the antenna must have a clear view of the southern sky. The magnetic antenna must be mounted on the outside of the vehicle for the best reception.
Channel Not Subscribed	This channel is not included in your SiriusXM® subscription plan.
Channel Not Available	This channel is not a valid SiriusXM® channel. The channel number has been entered incorrectly, or the channel was removed from the SiriusXM® channel lineup.
Channel Locked	The selected channel has been locked by the parental controls, or a mature channel has been selected. A prompt to enter the unlock code will appear. Enter the unlock code.
Subscription Updated	An update to your SiriusXM subscription has been received by the SiriusXM tuner. Press [Enter] button to continue.

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Using a Smartphone via HDMI /MHL

What is HDMI /MHL?

HDMI (High Definition Multimedia Interface) is a digital interface for audio and video sources. HDMI is a digital replacement for analog video standards.

Mobile High-Definition Link (MHL) is an industry standard for a mobile audio video interface that allows consumers to connect mobile phones, tablets, and other portable consumer electronics (CE) devices to high-definition televisions (HDTVs) and mobile multimedia receivers.

HDMI/MHL allows you to use the multimedia TFT touch screen to control your mobile device.

Note: It may not be legal to view apps on a smartphone while driving or controlling a vehicle. It is the drivers responsibility to obey local and federal laws while driving or controlling a vehicle.

Interfacing your Smartphone - Android

Depending on your model and brand of smartphone HDMI / MHL may not be supported. Check your smartphone documentation for supported features.

Android smartphones will require an app that must be downloaded from Google Play Store. Search for "Jensen HDMI/MHL Connect" in the search bar.

Note: In order to connect your smartphone to your unit, you will need an HDMI/MHL adapter for your particular brand of smartphone. In some cases, you may need to connect the additional micro USB port (On the adapter itself) to a power source in order for the HDMI/MHL adapter to function properly.

Smartphone HDMI/MHL adapters are available at your local mobile phone retailer. For example, if you have a Samsung S3/S4 or Note 2, you would buy the below HDMI/MHL adapter:

Samsung ET-H10FAUWESTA Micro USB to HDMI

1080P HDTV Adapter Cable

For Samsung Galaxy S3/S4 and Note 2

Smartphone brands are usually only compatible with the same brand of HDMI / MHL adapter.

Interfacing your Smartphone - iPhone 6[®] / iPhone 6 Plus[®] / iPhone 5[®] / iPhone 5S[®] / iPhone 5C[®] / iPod touch[®] (5th Gen) / iPod nano[®] (7th Gen)

Note: In order to connect your smartphone to your unit, you will need the "Apple Lightning Digital AV Adapter" (HDMI/MHL adapter). No app or software is needed for Apple devices.

Smartphone HDMI/MHL adapters are available at your local mobile phone retailer.

Mirror Mode (HDMI /MHL Adapter Required)

Mirror Mode allows the image from the smartphone to be displayed on the larger head unit TFT. There is no touch screen control from the head unit TFT. You must control the apps from the smartphone.

Mirror Mode w/ Touch Screen Control (HDMI /MHL Adapter Required)

Mirror Mode w/ Touch Screen Control allows the image from the smartphone to be displayed on the larger head unit TFT as well as full touch screen control of the smartphone screen from the head unit.

Note: All apps may not be supported / displayed when connected via HDMI/ MHL.

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General

1. Some devices (smartphones) may not be compatible with HDMI/MHL connectivity.
2. Incoming calls or messages may pause media output. Media will resume after the call or message.
3. Simultaneously running multiple apps on your smartphone while screen sharing places heavy demand on the smartphone, potentially affecting its performance. Close unused apps on your smartphone to enhance the screen sharing feature of the unit.
4. If you are having trouble seeing your smartphone display on the head unit TFT, try connecting your smartphone (With HDMI/MHL adapter) to another device such as a flat panel TV with HDMI input. If you cannot see the smartphone display on the flat panel TV, the smartphone does not support HDMI/MHL.

Connecting Your Smartphone to the unit

1. Jensen HDMI/MHL Connect App Installation Procedure

Download and install the Jensen HDMI/MHL Connect app from Google Play onto your smartphone.

2. Smartphone / Head Unit BT Connection

In order to have full touch screen control from the head unit TFT (via the HDMI/ MHL Connect app), a BT connection is required between your smartphone and head unit. Refer to the head unit / smartphone documentation for further information on pairing / connecting devices.

3. Connect Your Smartphone

Most Android smartphones will require an HDMI/MHL adapter in addition to an HDMI cable with 2 Type A male connectors. These adapters are available at smartphone retail stores. See head unit documentation for more information about HDMI/MHL adapters. Connect your smartphone to the HDMI/MHL adapter. Connect one end of the HDMI cable to the HDMI/MHL adapter. Connect the remaining end of the HDMI cable to the multimedia head unit HDMI input (Rear chassis panel). Consult your smartphone documentation for instructions on how to access HDMI/MHL on your device.

4. Touch Screen Calibration Start

Launch the HDMI/MHL Connect app on your smartphone. Using the head unit touch screen, go to Settings in the HDMI/MHL Connect app. Scroll down slightly, and press the Touch Screen Calibration "Start" button.

5. Touch Screen Calibration

Once the touch screen is calibrated, scroll up, and press System Settings to return to the main HDMI/MHL Connect page. Press Mobile Home Page to access your smartphone from the touch screen of the multimedia head unit. Touch the Car Home Page to return to the Main Source Menu of the head unit. This calibration is performed once per phone when initially set-up.

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CAMERA OPERATION

Enter Camera Mode

Connect the cameras to the unit using the CAMERA 1-3 Connection cables at the back of the unit. Enter 2nd page of main menu, press CAMERA to access camera mode.

Enter Camera Mode

This unit can connect 3 cameras: CAM1, CAM2 and CAM3. Each camera can be triggered separately and can be set in different trigger priority. There are 3 trigger wires at the back of the unit. If trigger signals are detected on more than one trigger wire, the channel that has the highest priority is triggered first. Once a channel is triggered, the triggered channel video will be displayed on the full screen, Only CAM 1 has audio input.

Auto Mic Enable

When the Auto Mic Enable feature is set to "Yes", the current playback audio will be muted and the microphone for camera 1 will be automatically turned on when the vehicle is placed in reverse gear. See "Camera Configuration":

Setting	Func	Function
Camera 1 mode	Skip	The output of camera 1 image is skipped.
	Normal (default)	The output of camera 1 image is in normal mode.
	Mirror	The output of camera 1 image is in mirror mode.
Camera 2 mode	Skip	The output of camera 2 image is skipped.
	Normal (default)	The output of camera 2 image is in normal mode.
	Mirror	The output of camera 2 image is in mirror mode.
Camera 3 mode	Skip	The output of camera 3 image is skipped.
	Normal (default)	The output of camera 3 image is in normal mode.
	Mirror	The output of camera 3 image is in mirror mode.
Priority Order	1-2-3	Continue pressing to select the desired camera trigger priority from 1(highest) to 3 (lowest).
	1-3-2	
	2-1-3	
	2-3-1	
	3-1-2	
	3-2-1	
Trigger Delay	One Second	Set delay time for displaying camera image after trigger signal is removed.
	Two Seconds	
	Three Seconds	
	Four Seconds	
	Five Seconds	
	Six Seconds	
Auto Mic Enable	Yes	Select "Yes" to automatically turn on the microphone and mute other audio when the vehicle is in reverse gear
	No	

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Audio Output and Volume Adjustment

In camera mode, if Camera 1 is not triggered, the front audio output will be the from the last audio source played. Rotate the VOL control (1) to adjust the volume of the audio source. When Camera 1 is triggered and the Auto Mic Enable feature is on, the camera 1 video appears on the entire screen and the audio input from the camera is played. In this case, rotate the VOL control (1) to adjust the volume when Camera 1 is triggered.

NOTE: The upper area of the screen is the current playback information bar area. Press the top of the screen to remove the bar or make the bar reappear.

Camera Control Options

Touch the lower part of the screen to make the camera controls appear.

- . Touch the "CAM 1" Button to view the Camera 1 video in full screen.
- . Touch the "CAM 2" Button to view the Camera 2 video in full screen.
- . Touch the "CAM 3" Button to view the Camera 3 video in full screen.
- . Touch the "AUDIO" Button to turn the Camera audio ON/OFF.
- . Touch the  Button on the screen to change Brightness, Contrast, Saturation and Hue settings. Use the +/- buttons to adjust each setting from 0-20.

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SWC Ready

The built-in SWC Interface is compatible with PAC steering wheel control modules. The PAC SWI-RC is recommended.

A third-party adapter must be used in order for the unit to be compatible with any steering wheel controls.

Note:

Not all OE steering wheel functions may be supported by the unit. PTT - Will activate Siri / Google Voice if mobile phone supports the feature. Not compatible with all phones/vehicles.

The following controls are available for most vehicles:

1. Volume Up (+)	4. Preset (+)	7. Seek / Track +	10. BT Send
2. Volume Down (-)	5. Preset (-)	8. Seek / Track -	11. BT End
11. BT End	6. Source	9. Band	12. PTT

PAC SWI-RC Installation Hints

1. Set "Radio Select Switch". Set the SWI-RC to position 7 - "Pioneer/Other/Sony".
2. Programming - Use the Pioneer/Sony/Other radio function mapping order for branded head units.
3. When programming the SWI-RC, if a function is not supported (or not desired), then the function MUST be skipped as per the PAC SWI-RC instructions.
4. The SWC function MUST be programmed in the correct order per the PAC SWI-RC radio function mapping order instructions.

SWI-RC (5VDC Reference)

Function Mapping	Center Pin Voltage (Function Select)	Tip Pin Voltage
Volume +	H 5.0v	2.89
Volume -	H 5.0v	3.40
Mute	H 5.0v	1.37
Preset +	L 0.0v	2.15
Preset -	L 0.0v	2.56
Source	H 5.0v	0.79
Seek +/ Track +	H 5.0v	2.15
Seek - / Track -	H 5.0v	2.56
Band	H 5.0v	3.94
BT Answer Call	L 0.0v	1.37
BT End Call	L 0.0v	1.79
PTT / Voice Activation	L 0.0v	3.94

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Other Modes

Listen to Other Devices

You can connect an external audio/video device to the unit.

1. Connect the external device with the AV cable.
2. Touch the upper left corner to display the main menu.
3. Touch [AV-IN1]/[AV-IN2] to access external device.

Reset

When the unit hangs up, you can reset it.

Open the cap located on the bottom left of the panel, press [**Reset**] button with a ball-point pen or similar tool.

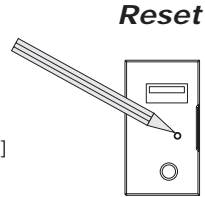
Tip

When the unit has been reset, all the settings will return to default settings.

Replace a Fuse

If there is no power, the fuse may be damaged and need to be replaced.

1. Take out the unit from dashpboard.
2. Check all electrical connections.
3. Buy a fuse that matches the amperage of the damaged fuse.
4. Replace the fuse while the units power is disconnected.



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Troubleshooting

What appears to be trouble is not always serious. Please check the following points before calling a service center.

Problem	Cause	Corrective action
General		
Unit can not power on	Unit fuse blown.	Install new fuse with correct rating.
	Car battery fuse blown.	Install new fuse with correct rating.
	Illegal operation	Reset the unit.
No/low audio output	Improper audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
	Heavily biased volume balance.	Adjust the channel balance to center position.
	Speaker wiring is in contact with metal part of car.	Insulate all speaker wiring connections.
Poor sound quality or distortion	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
	Speaker is shorted.	Check wiring and correct.
Tel-Mute malfunction	MUTE wire is grounded.	Check the 'MUTE' wiring and correct.
Unit resets itself when engine is off	Incorrect connection between ACC and BATT.	Check wiring and correct.
TFT monitor		
Warning information is shown at all times	Parking break wiring is not correct.	Check wiring and correct.
Flashing image or interference appears on screen	The color system of not match the monitor.	Adjust the color system of the monitor.
	Video cable damaged.	Replace cables.
	Improper video signal connections.	Check wiring and correct.

CARE AND MAINTENANCE

1. Never disassemble or adjust the unit without any professional guidance.
For details, please consult any professional car shop / dealer for inquiry.
2. If the front panel or TFT monitor is dirty, please use a clean silicone cloth and neutral detergent to wipe off the spot. Using a rough cloth and non-neutral detergent such as alcohol for cleaning may result in scratching or decoloration to the monitor.
3. If any abnormal behavior of the unit is found, please refer to trouble shooting guide of this manual.
If no relevant information is found, please press the [RESET] key on the front panel to resume factory default.
4. If you have parked the car in hot or cold weather for a long time, please wait until the temperature in the car becomes normal before operating the unit.
5. Using the car heater in low temperature environment may result in moisture inside the unit, DO NOT use the unit in this situation. If the unit still doesn't work after a few hours, please contact the service center.
6. Do not impact the LCD monitor which could cause damage.
7. To prevent damage to the screen, avoid touching it with sharp objects.
8. To provide a clear demonstration and an alternative for easy understanding to the operation of this unit, graphic illustrations are used.
However, some illustrations are different from the actual images displayed on the screen.
9. Operate the unit correctly according to this manual to prevent unnecessary problem. The guarantee won't be valid if the problem is caused by inappropriate operation.

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Specifications

Video

Format: NTSC, PAL (auto-detection)

Output: 1Vp-p (75-ohm)

Input: 1Vp-p (75-ohm)

FM Tuner

Tuning Range: 87.5MHz - 107.9MHz

Mono Sensitivity (-30dB): 9dBf

Quieting Sensitivity (-50dB): 15dBf

Alternate Channel Selectivity: 70dB

Signal to Noise Ratio @ 1 kHz: 58dB

Image Rejection: 80dB

Stereo Separation @ 1 kHz: >30dB

Frequency Response: 30Hz - 15 kHz, -3db

AM Tuner

Tuning Range: 530 kHz - 1710 kHz

Sensitivity (-20dB): 15uV

Signal to Noise Ratio @ 1 kHz: 50dB

Image Rejection: 60dB

Frequency Response: 50Hz - 2 kHz, -3dB

Monitor

Screen Size: 10.1" (Measured diagonally), 16:9 Widescreen

Screen Type: TFT LCD

Resolution: 1024h x 600v x RGB WVGA

General

Auxiliary (Audio) Input Impedance: 10k -Ohm

Power Supply: 11 to 16VDC, negative ground

Power Antenna / Amp Remote (Blue): 500mA max (Current limited protection)

Operating Temperature: 0C ~ 65C / 32F ~ 149F

Fuse: 15-Amp, ATO type

Chassis Dimensions: 11" X 6.3" X 6.9" (279.37mm X 159.25mm X 175.23mm)

CEA Power Ratings

Power Output: 13 Watts RMS x 4 channels into

4-Ohms @ < 1% THD+N

Signal to Noise Ratio: 70dBA below reference

(Reference: 1 Watt, 4-Ohms)

Frequency Response: 20 Hz - 20 kHz, -3dB. (Aux

Input used as reference input)

Reference Supply Voltage: 14.4VDC

*Specifications are subject to change without notice.

JRV4100 Warranty Change



JRV4100	VX4022A
7" W x 4" H x 4.75" D	7" W x 4" H x 7" D
16 Pin Harness	20 Pin Harness
Supports RCA Camera (Not CEC)	Supports RCA Camera (Not CEC)
No Disc Drive	Added Disc Drive CD/DVD
No Navigation	No Navigation

Continuing warranty replacement claims on the JRV4100 will be filled using the VX4022A once the current stock of JRV4100 is depleted. Customer will need a new 20 pin blunt cut wiring harness [30314310](#).